

In the claims:

Cancel all claims without prejudice.

[Add the following claims:]

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5. A circuit arrangement for integration of EDP systems in utilization of telephone systems connected to a public ISDN or Euro ISDN telephone network, the circuit arrangement comprising a plurality of telephone extensions which are directly connectable to a telephone network selected from the group consisting of a public ISDN telephone network and Euro ISDN telephone network; a first line; an intelligent telephone system arranged so that said telephone extensions are connectable with said at least one telephone network through said first line and said intelligent telephone system; a plurality of personal computers; an integration element arranged between said intelligent telephone system and said personal computers, said integration element receiving signals via at least one connection element selected from the group consisting of an SDLC connection element and an ISDN connection element via a second line from said at least one telephone network via said intelligent telephone system and sending back signals to said at least one telephone network, said integration element also sending a data record assigned an

appropriate information via a third line, via a LAN connected to a LAN server by a fourth line and via a fifth line to said personal computers and receiving a data record from said personal computers again; a computing system; and a software layer arranged so that a conversion of the signals into a data record and vice versa is carried by said integration element, by said computing system, by said software layer and by said at least one connection element with an internal software.

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2. A circuit arrangement as defined in claim 1,

wherein said personal computers are provided with keyboards so that a speech or data communication between a caller via said at least one telephone network and a competent party on one of said telephone extensions with a respectively assigned one of said personal computers is sent to another competent party and back after the respective competent party has sent a data record assigned the appropriate information to said integration element by operating said keyboard of the respectively assigned one of said personal computers, and a necessary signal leaving said integration element is applied at said intelligent telephone system and a connection to at least one another telephone extension is established, so that a connection to every telephone extension simultaneously provides an immediate integration of said personal computer assigned to said telephone extension in the established speech and data communication.

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3. A circuit arrangement as defined in claim 1,  
wherein said personal computers are provided with keyboards so  
that a speech or data communication between a caller via said  
at least one telephone network and a competent party on one of  
said telephone extensions with a respectively assigned one of  
said personal computers is sent to another competent party and  
back after the respective competent party has sent a data  
record assigned the appropriate information to said integration  
element by operating said keyboard of the respectively assigned  
one of said personal computers, and a necessary signal leaving  
said integration element is applied at said intelligent  
telephone system and a connection to all said telephone  
extensions is established, so that a connection to every  
telephone extension simultaneously provides an immediate  
integration of said personal computer assigned to said  
telephone extension in the established speech and data  
communication.

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4. A circuit arrangement as defined in claim 2,  
wherein said integration element is formed so that it is  
possible to hold an applied speech and data communication in  
conference where required together with at least one further  
competent party.

<sup>5</sup>  
~~9~~. A circuit arrangement as defined in claim <sup>2</sup>~~6~~,  
wherein said integration element is formed so that it is  
possible to hold the speech and data communication in  
conference with all parties of said telephone extensions.

<sup>6</sup>  
~~10~~. A circuit arrangement as defined in claim <sup>1</sup>~~5~~,  
wherein said integration element is formed so that data are  
transferable when a speech and data communication has been  
established by every competent part even during a conference  
and by all competent parties both to and from a caller to every  
participating competent party and between the competent parties  
with and without a caller.

<sup>7</sup>  
~~11~~. A circuit arrangement as defined in claim <sup>1</sup>~~5~~,  
wherein said integration element is formed so that in addition  
to the speech and data communication, a fax transmission is  
made simultaneously between the respective competent party and  
the caller using the keyboard of a respective one of said  
personal computers by using the connection of the respective  
personal computer with said at least one telephone network via  
said fixed line with the LAN with inclusion of the LAN server  
via said fourth line, via said third line with the integration  
element comprising said computing system, said software, said  
at least one connection element with the internal software, and  
via said second line with the intelligent telephone system.

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12. A circuit arrangement as defined in claim ~~5~~,

wherein said integration element is formed so that in addition to the speech and data communication, a fax transmission is made parallel between the respective competent party and the caller using the keyboard of a respective one of said personal computers by using the connection of the respective personal computer with said at least one telephone network via said fixed line with the LAN with inclusion of the LAN server via said fourth line, via said third line with the integration element comprising said computing system, said software, said at least one connection element with the internal software, and via said second line with the intelligent telephone system.

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